

ABSTRACT

This invention is related to a head positioning method and device for positioning a head which reads disk-type storage medium at a specified location, and it accurately estimates the estimated bias value during settling control. In a disk device comprising a disk medium (6), head (4), actuator (3) and control circuit (19), settling control is performed based on the detected position after coarse control without integral compensation or bias compensation has been performed. The position of the head for the next sample is estimated, and the initial bias value is estimated from the difference between the detected position and the estimated position. This initial bias value is then used to perform settling control together with integral compensation of bias compensation. Since the accurate initial bias value at the start of settling is estimated, it is possible to reduce the time for correcting the shift in the bias during settling control as well as greatly reduce the time required for settling control.

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